20010116.qrp v02_n069.qrl.20010116

Date: Tue, 16 Jan 2001 19:03:10 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2069

QRP-L Digest 2069

Topics covered in this issue include:

  1) [88696] Re: How to...70 foot pines???
     by "George, W5YR" <w5yr@att.net>
  2) [88697] Re: How to...70 foot pines???
     by Jeff Chambers <k11@micron.net>
  3) [88698] Re: How to...70 foot pines???
     by "Trevor Jacobs" <fxtech@earthlink.net>
  4) [88699] Re: How to...70 foot pines???
     by "Mike Yetsko" <myetsko@insydesw.com>
  5) [88700] Re: OT Re: Sad HP
     by "Joe Malloy" <jmalloy@hamilton.edu>
  6) [88701] Re: antenna/tuner /RF on feed line questions
     by Bill Stietenroth <k5zty@juno.com>
  7) [88702] Re: How to...70 foot pines???
     by david gauding <david.gauding@bbs.galilei.com>
  8) [88703] 4017 Transverter Kits all spoken for
     by "George Heron" <n2apb@erols.com>
  9) [88704] Re: antenna/tuner /RF on feed line questions
     by "James R. Duffey" <jamesd1@flash.net>
 10) [88705] SSB QRP Fun on 15m
     by Kevin L Anderson <k9iua@juno.com>
 11) [88706] 70 foot pines = NIRVANA: suggestions...
     by "lyon" <sslyon@megalink.net>
 12) [88707] Re: Alinco DX-70T
     by David J Adams <david@theadamsclan.com>
 13) [88708] Re: How to...70 foot pines???
     by Tim Hodges <7twh@ttc-cmc.net>
 14) [88709] Fox killer antenna
     by "bob baxter" <rbaxter@cybertrails.com>
 15) [88710] Re: NiMH batteries
     by "Larry Gaalaas" <lgaalaas@qwest.net>
 16) [88711] CUB FOX
     by "Jay Henson" <jbhenson@zebra.net>
 17) [88712] RE: Sad Note
     by "Ron, KU7Y" <ku7y@qsl.net>
 18) [88713] 20m Motel antenna ideas
     by "Ron, KU7Y" <ku7y@qsl.net>
 19) [88714] NA QSO Party in the hills

    by "Bob Tellefsen" <n6wg@earthlink.net>
20) [88715] FOX Cub Fox Pelt
    by "Karl F. Larsen" <k5di@zianet.com>
21) [88716] Re: antenna/tuner /RF on feed line questions
    by "John Moriarity" <k6qq@hdo.net>
22) [88717] FDIM 2001
    by SKIPNC9O@aol.com
23) [88718] Re: Corroded Feedline & Snow on Ladder Line
    by W2SH@aol.com
24) [88719] FOX: Bushed!
    by John Wagner <john@neknetwork.com>
25) [88720] Re. How to...70 foot pines???
    by W2SH@aol.com
26) [88721] Re: How to...70 foot pines???
    by "Trevor Jacobs" <fxtech@earthlink.net>
27) [88722] Re: How to...70 foot pines
    by "Adrian Weiss" <aweiss@usd.edu>
28) [88723] Re: How to...70 foot pines???
    by Jeff Stai WK6I <jstai@home.com>
29) [88724] No Pink QSLs {Was: "4017" and SMK-1]
    by Russ Dow <n7dw@prodigy.net>
30) [88725] [TMPS] Two Hints
    by "Chuck Adams, K7QO" <k7qo@primenet.com>
31) [88726] info I received on tuners,feed lines,etc
    by RangerSF5@aol.com
32) [88727] K2 #139 fun in Europe (DL/OE/I / K1JD) (long)
    by K1JD@aol.com
33) [88728] ATTN.!!!!! STEVE WEBER....in N. H.
    by RangerSF5@aol.com
34) [88729] San Antonio Fun!!!
    by "Trevor Jacobs" <fxtech@earthlink.net>
35) [88730] Thanks for all the info
    by RangerSF5@aol.com
36) [88731] Test No Read
    by "Francisco Hernandez Alonso" <co2ha@jcce.org.cu>
37) [88732] FS: HW-9, TAC-1 (2), "NC-80A"
    by "N3BJ" <qrpdx@earthlink.net>
38) [88733] 1st MFSK16 QSO
    by Steve Yates - AA5TB <aa5tb@arrl.net>
39) [88734] Big Grin
    by John Payne <paynej1@tnni.net>
40) [88735] THANKS for ideas....70 feet
    by K5BDZ@aol.com
41) [88736] Alaska on 80m
    by Steve Yates - AA5TB <aa5tb@arrl.net>
42) [88737] Alinco DX70
    by John G Weber <jgweber2@juno.com>
43) [88738] Re: Alinco DX70

by "Karl F. Larsen" <k5di@zianet.com>
44) [88739] Re: Fox killer antenna
by "Karl F. Larsen" <k5di@zianet.com>
45) [88740] Small AC Power Supply for QRP Rigs
by Chuck Ludinsky <cjl@mitre.org>
46) [88741] FOX - Re: Fox killer antenna
by Macstein@aol.com
47) [88742] Re: Small AC Power Supply for QRP Rigs
by Bruce Muscolino <w6toy@erols.com>
48) [88743] 70' pines
by "Tom Whalen" <wb5qyt@abq.com>
49) [88744] 4444
by hambug <599@0451.com>
50) [88745] Kingman Reef QSLs
by "Dan W. Dooley" <dandooley@pipeline.com>
51) [88746] Can you help me?
by hambug <599@0451.com>
52) [88747] RE: Alinco DX70
by "Roger A. McCarty" <rmccarty@earthlink.net>
53) [88748] Chinese NEW YEAR
by hambug <599@0451.com>
54) [88749] Re: THANKS for ideas....70 feet
by "Larry Spinner" <n2icz@hotmail.com>
55) [88750] Re: FOX - Re: Fox killer antenna
by Macstein@aol.com
56) [88751] Re: THANKS for ideas....70 feet
by "Mike Yetsko" <myetsko@insydesw.com>
57) [88752] Re: Corroded Feedline & Snow on Ladder Line
by "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
58) [88753] Re: Alinco DX70
by "Dan W. Dooley" <dandooley@pipeline.com>
59) [88754] Re: Alinco DX70
by "Karl F. Larsen" <k5di@zianet.com>
60) [88755] Re: FOX: Bushed!
by N1ODL@aol.com
61) [88756] FOX: re-send of notice 1/16 N7CQR
by Dan Presley <talljazz@teleport.com>
62) [88757] Question for the Loop
by <schoon@amgt.com>
63) [88758] Feb Bacon Bits deadline!
by Shephed@aol.com
64) [88759] VXO/IF freq combo's
by "Steven Weber" <kd1jv@moose.ncia.net>
65) [88760] California Qrpers to invade Arkiecon
by "Doug Hendricks" <ki6ds@dph.dpol.net>
66) [88761] Fw: DX tip.
by "Victor Blackwell" <victor@brecnet.com>
67) [88762] Richhond Frostfest 2001 & Ten-Tec Argo 556

    by Bill ROWLETT <kc4atu@yahoo.com>
 68) [88763] Re: California Qrpers to invade Arkiecon
    by "Brian" <brian@iquest.net>
 69) [88764] Re: California Qrpers to invade Arkiecon
    by "Mike Yetsko" <myetsko@insydesw.com>
 70) [88765] Klunky Schematic Drawing Web Page
    by <wd9eyb@butler.qrp.com>
 71) [88766] Re: VXO/IF freq combo's
    by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
 72) [88767] Re: "4017" and SMK-1
    by Bill Coleman <aa4lr@arrl.net>
 73) [88768] Re: FDIM 2001
    by Tom Isgro <k8cz@concentric.net>
 74) [88769] Re: Alinco DX70
    by wb2vuo@juno.com
 75) [88770] Re: 50 Ohm SM Power Resistors??s
    by "laura halliday" <marsgal42@hotmail.com>
 76) [88771] Re: California Qrpers to invade Arkiecon
    by Tim Soxman <tims@hhs.net>

Date: Mon, 15 Jan 2001 17:59:38 -0600
From: "George, W5YR" <w5yr@att.net>
To: K5BDZ@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88696] Re: How to...70 foot pines???
Message-ID: <3A638EEA.7FA9D251@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bill, you might be surprised at the reasonable cost for hiring a
professional climber to hang your antennas. Contact tree service outfits
and see what they would charge for just a climber to come out.

72/73, George   W5YR - the Yellow Rose of Texas   NETXQRP 6

Fairview, TX   30 mi NE Dallas in Collin county   QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

K5BDZ@aol.com wrote:
>
> Well, after 45 years as a ham, I've finally moved into a house with TALL
> trees...70 foot pine trees. PROBLEM is that the closeness of the houses
> limits my choices to "shoot thru" the tip branches for hanging wire antennas

> without breaking someone elses window...or head!
>
> Any suggestions??? I'm wide open. (pet monkeys trained to climb pines would
> be wonderful!)

Date: Mon, 15 Jan 2001 17:16:11 -0700
From: Jeff Chambers <k11@micron.net>
To: w5yr@att.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88697] Re: How to...70 foot pines???
Message-ID: <3A6392CB.DC938719@micron.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

George-

I just read (can't remember which issue) about thinking "out of the
box". The article suggests using helium balloons to raise a line to
string up a wire antenna. Most pizza parlors (here anyway) have helium
balloons that should work. Enlist the help of another and it just might
work.

Best of luck
73, Jeff KK7MQ

Date: Mon, 15 Jan 2001 16:17:57 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: <K5BDZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88698] Re: How to...70 foot pines???
Message-ID: <001201c07f51$c9d609a0$2f0a2a3f@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill and All,
    I've had the same trouble in the past, and I swear by an "EZ-Hang" now.
I've never run into a problem that this didn't solve as far as getting an
antenna up. At the YL's condo in Long Beach,CA there is a real tall tree
that I had to get a wire up into for Straight Key Night, and it shot up
straight for at least 75 feet and went over the branch that I aimed at. An

EZ-Hang is basically a sling shot with a Zebco fishing reel attached to it. You can find the online through a search engine, or in the back of QST. I bought mine online. I'm not part of their company or anything, just a real satisfied customer. It was definitely one of the best investments I have made. In fact it's what I used here in San Antonio at the folks house to string my antenna. Take care and I hope this helps.

73
Trev
KG6CYN
----- Original Message -----
From: <K5BDZ@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, January 15, 2001 3:48 PM
Subject: How to...70 foot pines???

> Well, after 45 years as a ham, I've finally moved into a house with TALL
> trees...70 foot pine trees. PROBLEM is that the closeness of the houses
> limits my choices to "shoot thru" the tip branches for hanging wire
antennas
> without breaking someone elses window...or head!
>
> And the limited angles I have to shoot are almost straignt up (out only 25
> feet from trunks)
>
> Bow is too powerful (I have a 55 lb pull bow) and arrow trajectory is
> unacceptable
> Sling-shot is my only choice that I see for now.
>
> Any suggestions??? I'm wide open. (pet monkeys trained to climb pines
would
> be wonderful!)
>
> Thanks
>
> Bill, K5BDZ
>

Date: Mon, 15 Jan 2001 19:42:02 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <fxtech@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [88699] Re: How to...70 foot pines???
Message-ID: <008d01c07f55$2f6d16c0$0600a8c0@dad>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just don't like these things...

One bind, and zap, your weight is coming right back at you.

WEAR EYE PROTECTION!!

I'd NEVER EVER use the commercial product!!

If you INSIST on using this method, go to a good sporting
goods store. They sell 'fishing reels' SPECIFICALLY
INTENDED for this. Well, not exactly, but pretty darn
close. They mount on bows and attach to arrows for
fishing. The reels are 'conical' and designed specifically
to be free-feeding... They'd better, you don't want them
jerking an arrow back at you with a barb!

And by the way, if you are in MASS (the peoples republic
of...) 'sling shots' are a 'prohibited weapon' in this state.
Yep, right up there with silencers. (But we CAN legally
own machine guns. At least, if you're not in Boston!)

Now, NO ONE is going to PROBABLY hassle you for
launching a line with one, BUT, if you have an accident...
Especially if it involves a bystander...

And I've seen IDIOTS that march around at a field day
set up with their 'sling shots' showing them off. Use some
discretion...

Mike

Stuck in the peoples republic of Mass. There are two
bastions of communism left in the world today. Bejing and
Cambridge...

> Hi Bill and All,
>   I've had the same trouble in the past, and I swear by an "EZ-Hang"
now.
> I've never run into a problem that this didn't solve as far as getting
an
> antenna up. At the YL's condo in Long Beach,CA there is a real tall tree
> that I had to get a wire up into for Straight Key Night, and it shot up

> straight for at least 75 feet and went over the branch that I aimed at.
An
> EZ-Hang is basically a sling shot with a Zebco fishing reel attached to
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real
> satisfied customer. It was definitely one of the best investments I have
> made. In fact it's what I used here in San Antonio at the folks house to
> string my antenna. Take care and I hope this helps.
>
> 73
> Trev
> KG6CYN
> ----- Original Message -----
> From: <K5BDZ@aol.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Monday, January 15, 2001 3:48 PM
> Subject: How to...70 foot pines???
>
>
> > Well, after 45 years as a ham, I've finally moved into a house with
TALL
> > trees...70 foot pine trees. PROBLEM is that the closeness of the
houses
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> antennas
> > without breaking someone elses window...or head!
> >
> > And the limited angles I have to shoot are almost straignt up (out
only 25
> > feet from trunks)
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> > Bow is too powerful (I have a 55 lb pull bow) and arrow trajectory is
> > unacceptable
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> >
> > Any suggestions??? I'm wide open. (pet monkeys trained to climb pines
> would
> > be wonderful!)
> >
> > Thanks
> >
> > Bill, K5BDZ
> >
>
>

Date: Mon, 15 Jan 2001 19:45:37 -0500
From: "Joe Malloy" <jmalloy@hamilton.edu>
To: <qrp-l@lehigh.EDU>
Subject: [88700] Re: OT Re: Sad HP
Message-ID: <001101c07f55$a4ad1c50$c947eed8@mozart>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Let me add my admiration for HP as a company: I bought a Laserjet IIP when they first came out about 11 years ago and it's still functioning fine. As a matter of fact, I never had any trouble with it. But one day back in 1991 or 1992 I received a letter from HP saying that they had noticed an "unusual" number of IIP printers being sent for service and had determined that the power supply in the IIP was not at the standard they hoped for. So they gave me an 800 number to call, they sent out a second IIP to me (with a new power supply) via FedEx and, when it arrived, they provided a sticker for me to return the original in the box that the new one was mailed to me in (heck, they provided the tape to seal that box with!) at no cost.

Then they apologized.

Whew! If all corporations were that dutiful in being proactive in consumer products, we'd be living in nirvana!

Obqrp: does anyone have the URL of the FYBO contest handy? Thanks!

73,

Joe, W2RBA

Date: Mon, 15 Jan 2001 19:13:40 -0600
From: Bill Stietenroth <k5zty@juno.com>
To: RangerSF5@aol.com
Cc: qrp-l@Lehigh.EDU
Subject: [88701] Re: antenna/tuner /RF on feed line questions
Message-ID: <20010115.191402.-3874553.4.k5zty@juno.com>
MIME-Version: 1.0

Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Bob,

You will only have RF on the outside of the coax, which is an unbalanced feed line, if you are feeding a balanced antenna and don't use a choke balun at the antenna feed point to balance the currents at that point. The ferrite choke balun by W2DU is probably the most efficient.
Your tuner is not just "fooling the transmitter" as you may have heard from some ham
conversations. It is actually matching the transmitter final output impedance to the antenna system input impedance so that all of the power will be transferred to the antenna system. There are impedance matching circuits all through your transceiver, this is just another one. There are always some losses in a tuner and antenna system but they are mostly insignificant if good practices are used when building them.

On Mon, 15 Jan 2001 11:48:13 EST RangerSF5@aol.com writes:

> If the antenna is non resonate, my tuner is only making the TX happy
> by
> providing a 50 ohm load for it.

> Since the antenna is non resonate will I still have the RF running
> down the
> braid?

> Should I use some sort of choke balun ($49.95) or wind one from
> coax?

Date: Mon, 15 Jan 2001 19:17:14 -0600
From: david gauding <david.gauding@bbs.galilei.com>
To: qrp-l@lehigh.edu
Subject: [88702] Re: How to...70 foot pines???
Message-ID: <5.0.2.1.0.20010115182345.01d2a560@bbs.galilei.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Bill,

For over twenty years, I've had very good luck hanging wires with help from an ultra-light fishing rod & reel. I'm a klutz with the sling-shot and dangerous with the bow & arrow.

I normally use 4 or 6 pound test and a bell sinker. Replace the messenger with heavier test monofilament prior to hauling the antenna in place. If I can find lead or brass rod I prefer that over the bell sinker. The former being a little longer for the same weight has less tendency to wrap itself around a branch if pulled up too quickly.

The best two-hand toss I ever made was in a small neighborhood park in Greenwich, CT while running portable. Right over a little projecting limb, that I was aiming for, of course. <g>

I wuz real proud of that throw! I marked the withdrawl line on the reel with a felt tip pen and later measured it at exactly 81' directly below the pivot point. I hung a 105' tuned doublet configured as a "vertical slanter" from this tree and did very well with it.

Couple of things! Buy a range of sinker weights until you find the weight that works best with your rig.
Also, know what your doing before casting. It's awkward for me casting up instead of out. If the line snaps no telling where the weight will end up. I always lose sight of the thing and hate that pregnant pause while waiting for it come down. Hopefully, not on my head and not on someone's house or car.

And, make sure the reel has a full spool or close to it. The ultra-lights don't hold much line. 75' up means 150' of line total and a little extra if you are not directly under the return point.

Finally, I have not had consistently good luck using monofilament in pines, depending on the type of pine and the season. Winter temperatures definitely being better than summer. The sap can get on the line quickly once it rubs up against the bark, especially under pressure from raising an antenna. Then things can get bogged down.

Having said the above, an acquaintance of mine used a bow & arrow with good results. But, he added strip lead around the arrow just behind the hunting point. If not, the arrow didn't have enough weight to pull the line through the trees and back down.

Hope this helps Bill. Best of luck with the new place.

Regards,

de Dave, NF0R   nf0r@slacc.com

Date: Mon, 15 Jan 2001 20:30:01 -0500
From: "George Heron" <n2apb@erols.com>
To: "QRP-L" <qrp-l@lehigh.edu>
Cc: "NJQRP" <NJQRP@njqrp.org>
Subject: [88703] 4017 Transverter Kits all spoken for
Message-ID: <015201c07f5b$d9f1d530$fbeefea9@ghlpt4>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

All available "K8IQY 4017 Transverter Kits" have been reserved.

If you are still interested in this kit, send along an email and we'll put
you on a waiting list on the chance the someone doesn't come through with
their order as promised.

Additionally, emailing us to show your desire for a kit will help us
determine the need to buy more parts to make another set of kits.

Information on this Manhattan-style constructed 17m transceiver kit designed
by Jim Kortge, K8IQY can be found on the NJQRP website at
http://www.njqrp.org/4017

Thanks all for the interest thus far. We're pretty sure all those who
ordered will be impressed with the kit - both its construction and
performance. We'll ship your kit just as soon as we receive your order in
the mail.

73, George N2APB
  n2apb@amsat.org
  for the NJQRP Club at http://www.njqrp.org

Date: Mon, 15 Jan 2001 18:38:08 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <RangerSF5@aol.com>, qrp-l <qrp-l@lehigh.edu>
Subject: [88704] Re: antenna/tuner /RF on feed line questions
Message-ID: <B688F410.5959%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"

Content-transfer-encoding: 7bit

Bob - Although you don't give any details of the antenna you are trying to match, I will try to help answer your questions.

If you have "RF running down the braid" of your coax, an antenna tuner will probably not cure it. The RF is caused by an imblance in the antenna/feedline system, not an impedance mismatch. It is bad practice to feed an balanced anenna (dipole) with an unbalanced feeder (coax) without providing some sort of balanced to unbalanced transition. Lots of people get away iwth it, but that doesn't make it right. A choke balun at the antenna will usually do the job. For particularly tough situations you may need another choke balun at the tuner. If you can't install a choke balun at the antenna, one at the antenna tuner will help some. I suppose it is a bit cold there to be doing antenna work in the middle of winter.

A simple choke balun can be wound from caox. The antenna book and handbook provide details. These are most effective for single band use, but they can be used for more than one band.

You might also try:

http://www.berkshire.net/~robbins/technote/airbalun.html

If your coax fed antenna is very far off resonance, you may have excessive loss in the coax due to high SWR.

Let us know how it all turns out. - Dr. Megacycle KK6MC/5
--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Mon, 15 Jan 2001 20:39:44 EST
From: Kevin L Anderson <k9iua@juno.com>
To: qrp-l@lehigh.edu
Subject: [88705] SSB QRP Fun on 15m
Message-ID: <20010115.193754.5367.0.K9IUA@juno.com>

I had a blast today. I took advantage of the Martin
Luther King holiday (I am a state employee)
and got on the radio.

>From 1909 to 2356 UTC, that is for almost five hours,
I called CQ on SSB 15 meters (on both 21380 and

21385 kHz). Ended up completing 19 QSOs of various lengths (the longest was almost 90 minutes!). Only one was a QRP station to start with (N4ZPT, who was on a new FT 817 and will hopefully be subscribing soon to this e-mail list), but several turned their power down as low as they could during the QSO. I was 5 watts out on my Ten Tec Argosy II the entire time to an inverted vee up only 20 or 22 feet or so.

That was buckets of fun. This was the longest amount of time that I just sat and chatted with people on the radio, and that almost 90 minute QSO was the longest single QSO for me to date. I would say that I was QRP in my CQ call, so anyone who answered knew from the start that I was low power. Many answered just to let me know that I was getting out, but then stuck around to chat.

I encourage everyone to do the same -- a nice way to spread the news of QRP.

Cheers/73.   Kevin, K9IUA
* *
Kevin Anderson, K9IUA, Lincoln/Bismarck ND
e-mail: K9IUA@juno.com   Opinions all my own.
* *

____
GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Mon, 15 Jan 2001 20:43:33 -0500
From: "lyon" <sslyon@megalink.net>
To: <K5BDZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [88706] 70 foot pines = NIRVANA: suggestions...
Message-ID: <000501c07f5d$bd8267a0$ab8798ce@megalink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

As a long time practitioner of the sling shot method, (see NJQRP HB #1 & 2), I recommend a 3 oz. teardrop sinker, 18-20 lb. line on the bottom half of a spin casting rod.

Most wrist rocket types will propel a 3 oz. sinker to a maximum of 80 - 100' vertically when loaded with the spin casting gear. The sinker also is minimum you'll need to reliably pull the line down thru the sappy, sometimes very sticky pines. I've lost dozens of 2 oz. jobs on various outings. 4 oz is good for 50 - 60' max.

You should have no problem at all getting a shot over the top of a 70' pine from 25' away. In fact, the high trajectory ensures that you'll get a desirable drop close to the trunk, rather than stretching over the outside of the limbs. You've got a great circumstance there, Bill.... make the most of it!
72
-S-
==========

----- Original Message -----
From: <K5BDZ@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, January 15, 2001 6:48 PM
Subject: How to...70 foot pines???

> Well, after 45 years as a ham, I've finally moved into a house with TALL
> trees...70 foot pine trees. PROBLEM is that the closeness of the houses
> limits my choices to "shoot thru" the tip branches for hanging wire antennas
> without breaking someone elses window...or head!
>
> And the limited angles I have to shoot are almost straignt up (out only 25
> feet from trunks)
>
> Bow is too powerful (I have a 55 lb pull bow) and arrow trajectory is
> unacceptable
> Sling-shot is my only choice that I see for now.
>
> Any suggestions??? I'm wide open. (pet monkeys trained to climb pines would
> be wonderful!)
>
> Thanks
>
> Bill, K5BDZ

Date: Mon, 15 Jan 2001 17:43:41 -0800
From: David J Adams <david@theadamsclan.com>
To: Denis Englander <ko6gf@slip.net>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88707] Re: Alinco DX-70T
Message-ID: <3A63A74D.77587C84@theadamsclan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to everyone for the information on the DX-70T. As usual I received a veritable cornucopia of useful tidbits. As it happens, I was just about to order one from rat shack ($599) when I decided to check the various hamstores used lists one last time and came across an EXCELLENT deal on a Icom 706mkIIg...so, it is winging its way to me as we speak...Dan, the salesman, said he hadn't expected it to last long, but that the speed of this transaction was suprising. I got it through the Ham Station in Evansville for those who are curious.

73 de dave, N9UXU

Date: Mon, 15 Jan 2001 18:50:07 -0700
From: Tim Hodges <7twh@ttc-cmc.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88708] Re: How to...70 foot pines???
Message-ID: <3A63A8CF.BE747928@ttc-cmc.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I have had good luck lately with a used VHF whip and loading coil.
I wrapped the loading coil all up with duct tape to pad it, and then tie a piece of monofilament line to the tip of the whip. It is very easy to throw with great accuracy because the whip trailing the mass of the loading coil acts as a stabilizing tail.

72
Tim KD7JZ

K5BDZ@aol.com wrote:
>
> Well, after 45 years as a ham, I've finally moved into a house with TALL
> trees...70 foot pine trees. PROBLEM is that the closeness of the houses
> limits my choices to "shoot thru" the tip branches for hanging wire antennas
> without breaking someone elses window...or head!

>
> And the limited angles I have to shoot are almost straignt up (out only 25
> feet from trunks)
>
> Bow is too powerful (I have a 55 lb pull bow) and arrow trajectory is
> unacceptable
> Sling-shot is my only choice that I see for now.
>
> Any suggestions??? I'm wide open. (pet monkeys trained to climb pines would
> be wonderful!)
>
> Thanks
>
> Bill, K5BDZ

--
=+=+=+

Bisbee, Az.

Date: Mon, 15 Jan 2001 21:17:24 -0600
From: "Larry Gaalaas" <lgaalaas@qwest.net>
To: andrew@utahdesign.com, "   Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88710] Re: NiMH batteries
Message-ID: <00b301c07f6a$d93712e0$0300000a@larry>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Look to the R/C hobby industy. We use batteries for transmitters, receivers, and for powering planes and cars. Commonly available in 4,6,7,8 cell packaging.   NiCd's, NiMH are readily available. Plus there is a whole new world of charging technology out there as well. Look at http://www.towerhobbies.com/ as a starting point. Also might look up Mr. Nicad in QST, he has lots of NiCds and NiMH and chargers available too.
73,
Larry kb0r

----- Original Message -----
From: "Andrew Madsen" <andrew@utahdesign.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, January 15, 2001 5:07 PM
Subject: NiMH batteries

> I'm looking for a source of NiMH batteries. Radio Shack sells 1600 mAH
> AAs. Is it possible to get AA NiMH batteries with a higher capacity
> than that? Price is a consideration, but I would like to see EVERYTHING
> out there, regardless of price, then I can decide how much I'm willing
> to spend. BTW, I'm planning on using the batteries to power my K1.
>
> --
> 72,
> Andrew Madsen AC7CF
> ac7cf@qsl.net
> http://www.qsl.net/ac7cf
> AOL IM: ac7cf
> FISTS nr. 7439 | QRP-L nr. 2180
> FPQRP#-71 | A.R.S nr. 738
> SOC #376 | UARC | ARRL
> Norcal | NOGAQRP | NJQRP

>
>
>

Date: Mon, 15 Jan 2001 21:31:35 -0600
From: "Jay Henson" <jbhenson@zebra.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [88711] CUB FOX
Message-ID: <000301c07f6c$d6fa5760$92ee0cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello everyone,

John was a tough catch tonite. His signal was constantly in and out of the S7 noise here in AL. I finally lucked into catching him at 0316.

The path from VT to the west seemed to be in pretty good shape as most of the hounds seemed to be from 5, 7, 9 & 0 land.

Thanks John. I appreciate your digging me out.

See you on the radio.
Jay
AJ4AY Mobile, AL
QRP-L #1372 ARCI #8131 SOC#220 FP# - 115

Date: Mon, 15 Jan 2001 19:27:26 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88712] RE: Sad Note
Message-ID: <000601c07f6c$c0dbce00$61c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain;   charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

Well now......there is more to the story of Mr.'s H & P.....

Yes, their company makes some good equipment. I even have one of their printers and a laptop. I also bought some test equipment from them for work.

BUT..... the fact that they are both now "gone" doesn't bother me at all. As far as I am concerned, anyone who doesn't support the WHOLE constitution can "go" ASAP and I will not shed a tear!

We are sometimes far too fast to eulogize people when what we really mean is something else.

There was one fellow, (a friend of mine) at the HP plant in Boise, who tried to form a trap shooting team to compete in one of the local leagues. His notes on the buliten boards were removed and he was told by the company that he could not post anything that had anything to do with guns on any HP property. He was also told that if he didn't like that, that he could just leave and find work some place else.

Sure sounds like a nice company to me.....   :-)

For me, the dark cloud they carried around with them far outweighs the good products their company makes!

OK, back in my hole.....

cul, Ron KU7Y
Full time RVing somewhere in the West!
(Currently near Quartzsite, AZ)
A Proud AZScQRPion
A gun in the hand is better than a cop on the phone

Date: Mon, 15 Jan 2001 19:22:58 -0700
From: "Ron, KU7Y" <ku7y@qsl.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88713] 20m Motel antenna ideas
Message-ID: <000501c07f6c$bfa60d20$61c6a9d8@com>
MIME-version: 1.0
Content-type: text/plain;   charset="iso-8859-1"
Content-transfer-encoding: 7bit

Hi All,

Someone asked for ideas about a simple antenna to take into a hotel/motel room.

Here is one that I have used with success. I'll leave it to the folks that understand antennas to tell if it **should** work or not! And I am NOT making any fancy claims about it. Heck, I may have lost more power than I radiated but at least I made QSO's! :-)

Anyway, take a few (I used 5) wires that are about 16' long.

Lay out all but one on the floor and connect together in the center using wire nuts. (You knew that was coming, right?)

Take the one remaining wire and put one end as high as you can get it. I often use a window curtain rod as the top support. Wind the left over vertical wire around most anything that isn't metal. I have used chair legs, toilet paper rolls, plastic pipe and a fishing rod. This gives you something like a loading coil at the base of the vertical.

Again using wire nuts, connect the center conductor of a short piece of coax to the vertical element at the bottom of the coil and connect the shield to the center point of the radials. Wire nuts work fine but I have even just twisted the wires together when I didn't have the wire nuts.

Now connect the coax jumper to a antenna tuner and have fun.

I run the radials around as best I can. Sometimes they have been just "wadded" up here and there.

But I have made many QSO's that way.

Simple. Cheap. Easy to carry.

Efficient?? I doubt it. But see the last sentence! :-)

And in many of the old handbooks there was a little antenna made from a car antenna. One of the old ones that you had to pull up to get the weak stations. Anyway it was connected to a air wound coil that had a tap on it and a big variable cap.

With the addition of some SWR detection circuit that should also work if you want something more "correct"! :-)

OK, I'm back in my hole.....

cul, Ron KU7Y
Full time RVing somewhere in the West!
(Currently near Quartzsite, AZ)
A Proud AZScQRPion
A gun in the hand is better than a cop on the phone

Date: Mon, 15 Jan 2001 19:46:44 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-l@Lehigh.EDU>
Subject: [88714] NA QSO Party in the hills
Message-ID: <000701c07f6e$f2eb2240$20d5fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This weekend the xyl and I took a trip up into the Gold Country of CA, on hiway 49.
We stayed at a B & B we like in Sonora, and I set up my K2 in our bedroom. The antenna was just a 40m dipole draped around the room over the furniture. The NA QSO Party was on, so I figured I'd try to hand out a few points, running 5 watts from my little battery. I managed to work HI to the west, and finally a Mass. station to the east. At that point, I put it away for the night.
If you have a K2 without the Noise Blanker, I recommend you get the option kit. It REALLY works. I had a noise level that totally masked signals. I couldn't copy signals even at the narrowest filter settings. With the blanker on, I could copy any signal I could find, with no noise problems. Really saved the evening's operation.
Anyway, a fun time in the hills.
73, Bob N6WG

Date: Mon, 15 Jan 2001 20:56:42 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: <qrp-l@lehigh.edu>
Subject: [88715] FOX Cub Fox Pelt
Message-ID: <Pine.LNX.4.31.0101152045580.1430-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

     John, who lives way up in the far north-east and a few thousand miles from me was not real strong at 0200 Z. But I could tell he was in there and as time passed I began to copy KB1ENS. I took a shower and another load of wash and came back to hear John a bit louder, and the pack of Hounds were getting thinner. I decided to come back to his frequency and call there.

John sent K5D? and then BK. I sent K5DI BK and he then sent his numbers and I mine to him. John gave me a nice 72 and went back to giving away Pelts. He wants to give out 50 or more. I hope he makes it!

Now back to JAZZ and another load of wash. My wife's right arm is broken. Excuse. I sure hear the JAZZ of Louie Armstrong, and his singing is just honey! The recorder is catching it all. Electronics is neat.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Mon, 15 Jan 2001 20:08:27 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <k5zty@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88716] Re: antenna/tuner /RF on feed line questions
Message-ID: <004e01c07f71$fb140880$e2414cd1@johnmori>

> Your tuner is not just "fooling the transmitter" as you may have heard
> from some ham
> conversations. It is actually matching the transmitter final output
> impedance to the antenna system input impedance so that all of the
power
> will be transferred to the antenna system.

<Flame suit on>

I just have to jump in here, because this is one of my
hot buttons.

An antenna tuner/matcher does *not* match the transmitter
output impedance to the antenna.

It really is just the other way around. The ATU transforms
(matches) the impedance seen at the shack end of the
feedline to the impedance that the transmitter *needs to see*
to deliver it's designed power output (usually 50 ohms).

When designing a transmitter output stage for ham use
(that is, excluding Class A, which is *rarely* used) the
design equations don't even mention "output" impedance.
The dependent variables are (to a first order approximation)
supply voltage and load resistance (usually 50 ohms).
The independent variable is of course, power output.

Po = (Vcc^2) / (2 x RL)

Sorry for the lecture ;-)

72,

John, K6QQ

Date: Mon, 15 Jan 2001 23:23:08 EST
From: SKIPNC9O@aol.com
To: qrp-l@lehigh.edu
Subject: [88717] FDIM 2001
Message-ID: <37.f6a7bbe.279526ac@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gang,

I am getting ready to signup for FDIM activities and wondered what day is best to arrive, Wednesday or Thursday? I am planing on flying from Chicago (1 hour travel is better than 6 1/2).

73, Skip Davis NC9O

Date: Mon, 15 Jan 2001 23:28:49 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Subject: [88718] Re: Corroded Feedline & Snow on Ladder Line
Message-ID: <18.77b78a2.27952801@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

If you're only pumping 5 watts or less of RF, it makes sense to pay attention to the line connecting your rig to the antenna. It is pretty widely known that a matched (1:1 swr) length of coax will have more loss than the same length of open-wire line with a gross mismatch (swr of 20:1 or greater).

Less understood is that the rf performance of open wire feedlines can vary considerably. For one, upsetting the balance between the two conductors will

encourage a degree of feedline radiation, and that means less soup going up the pipe to arrive at the radiator. Also, if you plan on bringing a balanced feedline inside and running it all around the shack walls, it would be better to transition, at the point of entry, to two paralleled lengths of coax to gain the benefit of shielding. Four-wire lines are another way to increase the immunity of open feedlines to deleterious proximity effects, but their geometry is such that it is darn near impossible to turn a corner with them.

Next come the ingredients of the open-wire feedline itself. That universally available black window pane stuff ain't "open" if, when I measure it, 58 percent of the windows are closed! With all that solid-state dielectric, you can be sure that its wet-weather performance will vary considerably from what it is when dry. Sure, you can cut out and narrow a lot of the windows with heavy scissors and a wood chisel, yet still retain enough of the insulation to keep the lines reasonably parallel. That's a lot of work. Furthermore, it doesn't address another problem: with what they use for conductors, the manufacturers make some, or all, of the wrong choices, and the product they offer for sale is certain to offer inferior rf performance.

If you want a good feedline, don't use stranded wire--that means any stranded wire, no matter what it is made of, and for goodness sake stay away from anything that has iron, steel, nickel or anything magnetic in it. That's the first commandment. Going a bit further, to explain, the individual strands never make perfect contact with one another, and their spiral configuration introduces inductance and eddy current losses. Any corrosion or rust on the strands exacerbates these effects. As for magnetic materials, you need to delve into the relationship between permeability and skin effect. It has been my experience that steel or steel-cored conductors are particularly evil when there are standing waves present, something which occurs in an impedance matching stub, or when a balanced feedline has already been chosen over coax to mitigate an unavoidably severe impedance mismatch at the antenna feedpoint.

An introduction to the subject of feedline conductors, written by N6LF, appears in the November/December 2000 edition of QEX. There's nothing new here. To go further, read Circular no. 74 of the Bureau of Standards (over 300 pages), and it was only issued in March of 1918! Even more tantalizing is the bibliography section covering high-frequency resistance, which includes gems like "Skin Effect in Round Wire", published in 1886, "Skin Effects in Stranded Conductors to Oscillatory Currents", published in 1903, or "Measurements on Stranded Conductors", 1909, plus 11 others on pretty much the same topic. Authors include still-known names like Kennely and Lord Kelvin, though most are German. It's perhaps known that Litzendraht, or "litz" wire, with its amazing rf properties, was invented in Germany before the first World War.

With all this knowledge out there nearly a century ago, it's a shame for time and material resources to be wasted to re-invent the wheel. Yet it should be a comfort that whoever cares can readily make a better feedline than anything

now being produced commercially

Charles, W2SH

Date: Mon, 15 Jan 2001 23:57:57 -0500
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88719] FOX: Bushed!
Message-ID: <3A63D4D5.C6597BD5@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

First of all; thanks to all the hounds who came out tonight - MUCH
appreciated.

Things started OK, but the noise level got up to about S9 +20 at times.
There was a loud, high pitched carrier about 2Khz down with a spread of
about 5Khz either side. Really made things tough. The noise never got
better and I think I picked up a couple of exchanges through osmosis.

I couldn't seem to keep my pen out of my paddles. That and slowing down
to sending at 10wpm really took some getting used to. Sri if I sent some
gibberish at times.

Initial count is 41 Q's including myself. Definately did not make 50,
but had a GREAT time regardless. Will post a draft log tomorrow.

73 es GN,

John, KB1ENS
--
John Wagner - john@neknetwork.com
Web page: http://www.neknetwork.com
Personal Web page: http://www.together.net/~jwag

Date: Tue, 16 Jan 2001 00:35:16 EST
From: W2SH@aol.com
To: qrp-l@lehigh.edu
Subject: [88720] Re. How to...70 foot pines???
Message-ID: <d3.f2d0bec.27953794@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Use the bow. There's nothing better than a a 30"-long weighted arrow traveling at better than 150 miles an hour to pierce straight through twigs and foliage. If it strikes an object, it will change course, but the arrow's extreme length in relation to its mass keeps it from winding the trailing line around objects in its path. However, if a small weight shot from a slingshot hits anything, it will ricochet wildly and tangle the trailing line.

Don't worry about the shooting angle. You'll be able to fire nearly straight up, and with a 55-pound draw have a pretty flat trajectory to beyond 70 feet with a 55-75-gram total weight arrow.

Use 75 or 100-pound test kite line. At a point a couple of inches back of the line's attachment to the arrow, fray the line slightly with a knife blade to establish a break point in the line in case things get stuck and you have to break the line to recover the arrow. Estimate the distance that you'll be shooting, add about 10-20 feet, lay that total amount of line out on a plastic tarpaulin in a back-and-forth S-shape pattern, wrap the upstream end of the line once around a rock and let 'er rip! The plastic tarpaulin provides the line with a friction-free launch pad and the rock limits how far the arrow will travel--enough to put the line at or near where you want it, and not so far that it gets into a neighbor's property.

Never attempt to retrieve the arrow by pulling it back. Pay out more line and lower the arrow by tweaking the upward-running line to make the arrow descend.

GL,

Charles, W2SH

Date: Mon, 15 Jan 2001 21:37:57 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Mike Yetsko" <myetsko@insydesw.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88721] Re: How to...70 foot pines???
Message-ID: <005201c07f7e$7eaabf20$f9092a3f@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Mike and All,
    Well, I should have mentioned that I do wear eye protection while using

it, and of course a bit of common sence is a requirement (gosh I can just imagine your field day experience!), but the thing has never bound on me and I've put up at least a dozen antennas with it. I still like the EZ-Hang instead of the arrow approach. I'd rather bonk someone than impale them Hi Hi. Take care...

73
Trev
KG6CYN
----- Original Message -----
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <fxtech@earthlink.net>; "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, January 15, 2001 4:42 PM
Subject: Re: How to...70 foot pines???

> I just don't like these things...
>
> One bind, and zap, your weight is coming right back at you.
>
> WEAR EYE PROTECTION!!
>
> I'd NEVER EVER use the commercial product!!
>
> If you INSIST on using this method, go to a good sporting
> goods store. They sell 'fishing reels' SPECIFICALLY
> INTENDED for this. Well, not exactly, but pretty darn
> close. They mount on bows and attach to arrows for
> fishing. The reels are 'conical' and designed specifically
> to be free-feeding... They'd better, you don't want them
> jerking an arrow back at you with a barb!
>
> And by the way, if you are in MASS (the peoples republic
> of...) 'sling shots' are a 'prohibited weapon' in this state.
> Yep, right up there with silencers. (But we CAN legally
> own machine guns. At least, if you're not in Boston!)
>
> Now, NO ONE is going to PROBABLY hassle you for
> launching a line with one, BUT, if you have an accident...
> Especially if it involves a bystander...
>
> And I've seen IDIOTS that march around at a field day
> set up with their 'sling shots' showing them off. Use some
> discretion...
>
> Mike
>

> Stuck in the peoples republic of Mass. There are two
> bastions of communism left in the world today. Bejing and
> Cambridge...
>
>
> > Hi Bill and All,
> >   I've had the same trouble in the past, and I swear by an "EZ-Hang"
> now.
> > I've never run into a problem that this didn't solve as far as getting
> an
> > antenna up. At the YL's condo in Long Beach,CA there is a real tall tree
> > that I had to get a wire up into for Straight Key Night, and it shot up
> > straight for at least 75 feet and went over the branch that I aimed at.
> An
> > EZ-Hang is basically a sling shot with a Zebco fishing reel attached to
> it.
> > You can find the online through a search engine, or in the back of QST.
> I
> > bought mine online. I'm not part of their company or anything, just a
> real
> > satisfied customer. It was definitely one of the best investments I have
> > made. In fact it's what I used here in San Antonio at the folks house to
> > string my antenna. Take care and I hope this helps.
> >
> > 73
> > Trev
> > KG6CYN
> > ----- Original Message -----
> > From: <K5BDZ@aol.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Monday, January 15, 2001 3:48 PM
> > Subject: How to...70 foot pines???
> >
> >
> > > Well, after 45 years as a ham, I've finally moved into a house with
> TALL
> > > trees...70 foot pine trees. PROBLEM is that the closeness of the
> houses
> > > limits my choices to "shoot thru" the tip branches for hanging wire
> > antennas
> > > without breaking someone elses window...or head!
> > >
> > > And the limited angles I have to shoot are almost straignt up (out
> only 25
> > > feet from trunks)
> > >
> > > Bow is too powerful (I have a 55 lb pull bow) and arrow trajectory is
> > > unacceptable

> > > Sling-shot is my only choice that I see for now.
> > >
> > > Any suggestions??? I'm wide open. (pet monkeys trained to climb pines
> > would
> > > be wonderful!)
> > >
> > > Thanks
> > >
> > > Bill, K5BDZ
> > >
> >
> >
>
>

Date: Tue, 16 Jan 2001 08:25:11 GMT
From: "Adrian Weiss" <aweiss@usd.edu>
To: qrp-l@Lehigh.EDU
Subject: [88722] Re: How to...70 foot pines
Message-ID: <G78SJ203.JDL@mail.usd.edu>

Bill:

Bear in mind one potential prolem with pines. A lot of variety around.
Many will snag a small line.

If you use a monofil line, it most probably will cut the bark and hang in the
wood. I have a bunch of lines flying in the breeze here to demonstrate the
problem . I had lines over 90-ft pines of the variety
which goes up trunk for 80-ft then the xmas tree part. Can only
give it a try!

Same goes for palm trees whihc, in contrast, generally eat ropes as well.

72, Ade

Date: Mon, 15 Jan 2001 22:42:55 -0800
From: Jeff Stai WK6I <jstai@home.com>
To: K5BDZ@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88723] Re: How to...70 foot pines???
Message-ID: <3A63ED6F.339F1F17@home.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

hi Bill - 25 feet from the trunks is MUCH better than straight below.

The pro climber idea may be the best approach - while he or she is
up there they can get any offending branches out of your way.

If not, my low tech approach is the proverbial sling shot. I use flat
1/2 ounce weights and 12 pound line - I have never broken this line, yet
it is light enough to be pulled up by the 1/2 ounce weight. The line also
takes a good amount of tugging and yanking. The stuff cost me all of
$1.69 for 500 yards. Do take the time to learn a good fishing knot to
tie the line to the weight to it don't come off.

The spool of line sits on the ground behind me so that it plays out
smoothly off the side of it. Take care to position the weight and line
over the sling shot to prevent a tangle. A couple small stones for
practice shots is also a good idea - a few minutes getting the feel of
it will really help!

When you pull up the cord, tape the know well so that it passes smoothly
over and thru any branches - a snag after you get the line up and over The
Perfect Branch can be very frustrating!

But since you are starting out, don't be concerned about maybe having to
try a few times, or redo one a few times. You'll get better with practice.
After hanging only 5 or 6 antennas, I can generally hit the right branch
on the first or second try (and I have never been a good shot at ANYTHING!).

Eye and head protection are a Real Good Idea for almost ANY antenna project!-)

hope this helps a little! - 7x - jeff wk6i

--
jeff stai
WK6I DM13
NAR #21059 TRA #3356 L2
jstai@home.com / wk6i@arrl.net
ROC web page: http://www.rocstock.org/

Date: Tue, 16 Jan 2001 01:43:40 -0500 (EST)
From: Russ Dow <n7dw@prodigy.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88724] No Pink QSLs {Was: "4017" and SMK-1]

Message-ID: <383328641.979627420809.JavaMail.root@web345-wra.mail.com>
Mime-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi Gang,

Bob is right, and this is an important point. 17 meters is an oddball, 18068 to 18168. We don't want anybody to get a nastygram from his/her respective regulating agency for out-of-band operation. I know, I'm belaboring the obvious. But be aware!

73,
Russ N7DW

------Original Message------
From: Bob Nielsen <nielsen@oz.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: January 15, 2001 6:42:52 PM GMT
Subject: Re: "4017" and SMK-1

On Mon, Jan 15, 2001 at 12:28:07PM -0500, George Heron wrote:
> Yes, the SMK-1 should be a dandy little driving transceiver for the 4017
> Transverter. It would be perhaps a little limiting with its small tuning
> range ... 7.032-7.040 in stock condition translating to 18.032-18.040 on
> 17m. Additionally, you'd miss the QRP calling frequency of 18.069 (or is it
> 18.096?), but it would still be quite usable.

Yes, except for the fact that the band is only from 18.068-18.168. It would definitely take a crystal change to the SMK-1.

72,
Bob N7XY

Date: Tue, 16 Jan 2001 07:21:55 +0000
From: "Chuck Adams, K7QO" <k7qo@primenet.com>

To: qrp-l@lehigh.edu
Subject: [88725] [TMPS] Two Hints
Message-ID: <5.0.2.1.0.20010116070329.00a02bd0@pop.primenet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

A couple of hints for 30 meters.

1. Working at power levels below 1W is best compared to hitch hiking across some roads in west Texas. You will probably stand beside the road for some time before some one comes along and gives you a ride.

   I put the SWL-30 with CMOS 3 in beacon mode with my CQ and start it up. I'll listen carefully for a minute or two and then work on the computer or solder. Then when I hear a station call me I'll hit the paddle to make sure the keyer doesn't start up while I'm copying. And I have a surprise for the gang at Atlanticon and Ft. Smith. You gotta be there on this one..... :-)

   And sometimes it does take more than 4 or 5 minutes to get a response, but patience does pay off. You might get a call back on the first CQ, but most of the time it does take several. It's like watching paint dry --- it takes time.

2. And it doesn't hurt to tune from one end of the band (or whatever range your rig will cover) to the other and listen for someone else calling CQ. It is possible that only two people are on the band --- you and the other station ---
   and if one of you isn't moving then you'll not hear each other.

   So today I was tuning down the low end of the band and I hear a station calling
   CQ and he is about 559 or 549 according to my ear. Hey, I can't spare any room
   on the front panel for an audio derived S-meter.... It's a K1 calling (not the
   rig but the call area) CQ so I say what the heck and give him a call. !!!!!!!!
   He is in ME (Maine for those not used to the official USPS abbreviation for that
   state) and he is running only 5W with a TenTec Scout. He comes back immediately
   to my call. There is joy in Mudville tonight.....

   The point. Don't assume anything about the other station. He/she may also be QRP or QRPp and will be able to hear your peanut whistle. This business of

some
    people recommending that you call only the strong stations isn't true. Call
    any one and every one. You can't work 'em if you don't call.....

    Also got WA by listening around and heard the call for the NW QRP net and
worked
    net control.

3. I don't know who the DX station was on 30 meters today generating the pileup
that
    was about 8KHz or more wide. But I usually run the volume at 80% or higher on
the
    SWL-30. I'm not deaf. It is just that it takes about 75% to hear the noise
    floor and just about anything else. BUT, some of the stations in the USofA I
    could copy with the volume all the way to minimum. This indicates to me from
    experience that these stations are not familiar with the 200W limit on the
WARC
    band called thirty meters. Or they chose to ignore it in hopes of catching
the
    rare one that they need.

OK. Here is hoping that each and every one is working to do their part on 30m. I
get many
comments from the other stations that there are a large number of QRP stations on
the
band, so we are being heard. Keep up the good work.

FYI es here's hoping to work you soon,

Chuck Adams, K7QO
Prescott, AZ   k7qo@primenet.com

TMPS-2001   Jan 16, 2001   Q's = 27 States = 14 Counties = 23 DXCC = 3
SWL-30 with CMOS 3 keyer and Vibroplex Code Warrior Paddle   0.500W and vee-beam
ID TX LA CA AZ NM WY NV MT CO OR ME KY WA   (in order
worked)
DXCC --- K XE VE

Date: Tue, 16 Jan 2001 05:46:41 EST
From: RangerSF5@aol.com
To: qrp-l@lehigh.edu
Subject: [88726] info I received on tuners,feed lines,etc
Message-ID: <e.7867edc.27958091@aol.com>

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Many thanks to all who responded to my questions on antennas and tuners.
1. Everyone agreed that the tuner gives the TX a 50 ohm load to look at and also changes the feed point of the non resonate antenna.
2. Almost everyone said that I should use a balum.
3. One person thinks they are not needed.
4. Many suggested that winding one from coax is fine and will work well.
5. Another person told me that if I have RF in the shack,
I have a serious problem.
Running a 100 watts with the antenna 30 feet above my roof and one leg 35 feet slopping down past the window, I would think RF would come into the shack.
Thanks again for all the input.
Bob
WA2HOQrp <tm>

Date: Tue, 16 Jan 2001 05:55:03 EST
From: K1JD@aol.com
To: qrp-l@lehigh.edu
Subject: [88727] K2 #139 fun in Europe (DL/OE/I / K1JD) (long)
Message-ID: <4e.10238dd3.27958287@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

The subject vacation was great fun, and having the K2 there was a terrific way to spend those odd moments when not being a tourist. #139 has all options (battery, ATU, NB, SSB, 160m). Modest QSO count (cw only) was: 10 from Munich; 8 from Salzburg; and 15 from Venice.

The best radio performance of the trip was our during our last stop in Venice. This is because of a number of factors - Venice is surrounded by water, our hotel (Londra Palace) had extremely low RFI, and our room was pretty good for covert hamming. We were on the 4th floor with shuttered windows facing away from pedestrian traffic. The shutters extended out about 2' and had an eyehook and hook where the shutters meet to secure them when closed. I routed a 33' wire through the eyehook, pushed the shutter out and let the wire drop. The shutter acted as a standoff and kept the wire away from the side of the hotel. This wire was tied to the center conductor of a 10' piece of coax, and the shield was connected to a 17' wire that was wrapped around the inside of the hotel room and secured to the shower rod in the bathroom! Can't imagine what computer modeling would make of it, but it worked very well with the ATU matching most bands to 1.5:1 or better. Best DX

was with Ron K4AO on 40m at 0646z on 12/29, and also worked Geo, 5B4AGC and many Russians and UK stations. Doug, G3ZWH, who was running 250mw, and I chatted for a good 30 minutes on 14060.

Salzburg was very difficult by comparison: surrounded by mountains, high RFI at the hotel (The Goldener Hirsch), and a room situated such that a wire tossed out the window would be immediately noticed. The room was quite large and I could fit a 20m dipole by bending it around corners. Had the best luck on 15, 12 and 10 meters with QSO's into Netherlands and Russia. High point here was meeting Andre, OE2ASL who stopped by the hotel Christmas Day and took us out for coffee. I had worked Andre mid-November from home. He came up to the room and spent a good half hour with the K2, marveling at all the features and compact size.

Munich was somewhere in between - I could get a wire out the hotel window and RFI was less than in Salzburg but definitely a factor. Conditions seemed atrocious and most of the contacts were in Germany or closeby countries.

Airport security didn't bother with the K2 until we were leaving Munich on 12/31. The K2 travels in a soft computer shoulder bag along with the Schurr Portable Wabbler paddle, charger, adaptors for 220v, and wires/coax. I carry it on of course vice checking it through. The bag went through the Xray machine and the security guy called his manager for help. I took the K2 out and turned it on, took out the paddle and said "morse code." They looked at each other and let me go. I carry a phillips screwdriver in the bag just in case, but after 5 trips by air have never had to open up the radio.

Being able to toss the K2 in a carry-on bag is one of its primary advantages. I take #139 along at every opportunity. If you haven't tried it, give it a shot.

73,
John K1JD
Jamestown, RI   IOTA NA031
http://hometown.aol.com/k1jd/index.html
K2's #139 & #583 (& #917 & #948)

Date: Tue, 16 Jan 2001 05:56:51 EST
From: RangerSF5@aol.com
To: qrp-L@lehigh.edu
Subject: [88728] ATTN.!!!!! STEVE WEBER....in N. H.
Message-ID: <bb.adaada1.279582f3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Steve ,
Please contact me.
I lost you'r E mail.
Thanks.

Bob
WA2HOQrp <tm>

Date: Tue, 16 Jan 2001 03:08:36 -0800
From: "Trevor Jacobs" <fxtech@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88729] San Antonio Fun!!!
Message-ID: <001301c07fac$adb078e0$068d2a3f@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, had a good night on the air tonight/this morning. The band really openned up at about 10:00 UTC. I worked several fairly local stations with the SMK-1, but also worked N0WU in KS and K8BBM in NE!!!! Just shows how much fun you can have when you through a J-38, some coax, some wire, a tuner and a small QRP rig into your suit case when you go on a trip! I can't wait to go camping this spring and summer. I'll be going on at least 5 trips including Catalina Island and Joshua Tree Park, so if you guys need those QTH's for any awards stay tuned, I'll keep you posted. I'm back in CA as of Wednesday. I need to find the time to get out of LA more to keep the stress level down. I think I'm more relaxed right now than I've been in 6 months! Also my CW speed has improved greatly since I've been here. Don't know why, maybe the lack of outside influences finally let me get over the 10 wpm hurdle. It's starting to make sence at higher speeds. It's been fun! Take care...

73
Trev
KG6CYN

Date: Tue, 16 Jan 2001 06:14:22 EST
From: RangerSF5@aol.com
To: qrp-L@Lehigh.EDU
Subject: [88730] Thanks for all the info
Message-ID: <4e.102677a2.2795870e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

<
 Here is one that I have used with success. I'll leave it to the folks that

understand antennas to tell if it **should** work or not! And I am NOT making any fancy claims about it. Heck, I may have lost more power than I radiated but at least I made QSO's! :-)
 >>
In the past I posted several times the shortened coil loaded 20 Meter dipole. 17 feet long and you can't tell the difference from the outdoor full half wave.
I'm on the 4th floor and have access to the roof where I can put up anything I want but this is in my living room and I work DX with it almost everyday. Goes up in less then a minute and covers the whole band.
Bob
WA2HOQrp <tm>

Date: Mon, 15 Jan 2001 18:04:48 -0500
From: "Francisco Hernandez Alonso" <co2ha@jcce.org.cu>
To: <lehigh.edu!qrp-l@tinored.jcce.org.cu>
Subject: [88731] Test No Read
Message-ID: <m14IPPZ-001fQ0C@tinored.jcce.org.cu>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit

Test
72/73 es DX
Francisco CO2HA, Internet QRP-L#1486, EL83td
co2ha@jcce.org.cu   http://frc.co.cu
"La FRATERNIDAD no es una concesi n, es un DEBER" Jos   Mart

Date: Tue, 16 Jan 2001 05:57:53 -0500
From: "N3BJ" <qrpdx@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88732] FS: HW-9, TAC-1 (2), "NC-80A"
Message-ID: <001801c07fab$2dee48e0$94c1323f@pavilion>

Time to lower the inventory a bit, following are all good working radios that just aren't being used here:

Heath HW-9, with WARC, works fine, a few minor scuffs, physically a solid 8.5. Brand new MRF-237s, gets 10 watts out on 80-20, about 8 watts on 15, 7 watts on 17 and 6 watts on 10. Original, NO mods, with copy of operating manual and schematic, DC cord.

$305 shipped in the US.

S&S Engineering TAC-1 for 40M, don't think there's a mark on it, just like new. This was factory assembled and has the factory power adjustment mod, 0-8 watts from the rear panel. Internal keyer, audio filter, original manual, perhaps the finest monoband QRP rig ever offered.

$155 shipped in US.

Same as above except for 80M. Kind of rare, not too many sold.

$155 shipped in US.

Wilderness Norcal 40A converted to 80M per the manual, works great. Covers from 3525 to 3575, adjustable by user, about 4W out and it is a sweet rig. This is like new, mod well done.

$110 shipped in US.

Pix on request, taking to Richmond, VA Frostfest this week if still available.

Alan, N3BJ
Bent Mountain, VA

Date: Tue, 16 Jan 2001 07:04:38 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: QRP-L Distibute <qrp-l@Lehigh.EDU>
Subject: [88733] 1st MFSK16 QSO
Message-ID: <003101c07fbc$e307eae0$04773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Well, I made my 1st MFSK16 contact last night on 80m. It was with NB6Z, Griff in Beaverton, Oregon. My 2nd ragchew was with N0OXV, Gary in Kansas. Good signals all around. I have to say it was a lot of fun.

Rig here was my Kenwood TS-130V at 5W and an inverted-L about 55 feet long.

I still remember receiving the mysterious "piccolo" when I was a kid on a very old shortwave radio. I never thought I would be transmitting it :-)

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
http://www.geocities.com/aa5tb

Date: Tue, 16 Jan 2001 08:05:45 -0500
From: John Payne <paynej1@tnni.net>
To: QRP-L@lehigh.edu
Subject: [88734] Big Grin
Message-ID: <SAK.2001.01.16.tbkinnrs@john-payne>
MIME-Version: 1.0
Content-Type: Text/Plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8Bit

After finally getting up something at least vaguely resemblinb an 80M
skywire(added 33ft to each end of my 40M G5RV) I finally had my
first PSK31 contact last night. The Warbler Lives! Digipan works like a charm,
if I can just remember to switch back to receive, HI HI.
N4UM, sorry about your computer troubles, if you hear me on again lets continue
our discussion. This looks like a whole lot of fun in
the making, and should be ideal for statewide emergency comms.

72/3 to all- John N4FLJ

Date: Tue, 16 Jan 2001 08:09:43 EST
From: K5BDZ@aol.com
To: qrp-l@lehigh.edu
Subject: [88735] THANKS for ideas....70 feet
Message-ID: <43.f590e4d.2795a217@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

WOW! Thanks everyone for all the great ideas of getting antennas in the
pines...many in much detail. This weekend I'll try a few and report back,
"warts and all", the progress.

Bill K5BDZ

Date: Tue, 16 Jan 2001 07:13:43 -0600
From: Steve Yates - AA5TB <aa5tb@arrl.net>
To: QRP-L Distibute <qrp-l@Lehigh.EDU>
Subject: [88736] Alaska on 80m
Message-ID: <003901c07fbe$27557680$04773ed8@aa5tb>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

I just worked KL7J, Les in Soldotna, Alaska on 3503.1 kHz CW this morning at 1255 UTC.. I know it isn't nothing new but my antenna for 80m isn't the greatest and I usually stay on 30m or 20m. He gave me 559 with my 5 watts and 55' long inverted-L antenna.

If you haven't been on 80m lately you should give it a try. Low noise and wide open spaces. CW activity has picked up a lot there this season. I already know that the Warbler has created a great amount of activity.

73,
Steve Yates - AA5TB
Fort Worth, TX - EM12gs
aa5tb@arrl.net
http://www.geocities.com/aa5tb

Date: Tue, 16 Jan 2001 07:22:21 -0500
From: John G Weber <jgweber2@juno.com>
To: david@theadamsclan.com
Cc: qrp-l@Lehigh.EDU
Subject: [88737] Alinco DX70
Message-ID: <20010116.081433.-131379.0.jgweber2@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>Anyone have any experience using the Alinco DX-70T? I'm going to
> purchase a smaller mobile rig to act as my base station in my
> overly-crowded apartment. I'm considering this, the patcomm 9000
> and a
> used icom 706 or 706mkII. Any thoughts? The 2m on the icoms will
> not
> be a deciding point.
>
> 73 de dave, n9uxu

Dave,
I have also been looking at the DX70 from RS. Have gotten a number of comments from another list posting and to date have received only one negative. The only thing at this point that is preventing me from buying one is the comment in ARRL's review which criticized the keying relay in QSK mode as being so noisy as to be distracting. I wud like to hear any comments that anyone has on that feature.
John AE4LZ

Date: Tue, 16 Jan 2001 06:39:38 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: John G Weber <jgweber2@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88738] Re: Alinco DX70
Message-ID: <Pine.LNX.4.31.0101160630170.792-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Had I read the QST review of my Kenwood TS-140 and TS-50 before I bought them, I would not have. I d/l the reviews last year and they found so much wrong with both radios in phase lock noise and other failings they basically said don't buy it!

I use both radios with all their apparent weakness and they work just fine. At least on 40 meters the noise coming down the coax exceeds the internal noise by many DB.

The filters on the DX70 are not as sharp and steep skirted as those in my radios. But they are effective and useful. The CW filter for my TS-50 cost $120.00 and the one in the DX70 is free. My hearing is impaired so a loud relay is not a problem...

On Tue, 16 Jan 2001, John G Weber wrote:

> >Anyone have any experience using the Alinco DX-70T? I'm going to
> Dave,
> I have also been looking at the DX70 from RS. Have gotten a number of
> comments from another list posting and to date have received only one
> negative. The only thing at this point that is preventing me from buying
> one is the comment in ARRL's review which criticized the keying relay in
> QSK mode as being so noisy as to be distracting. I wud like to hear any
> comments that anyone has on that feature.
> John AE4LZ
>
>

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 16 Jan 2001 06:49:11 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: bob baxter <rbaxter@cybertrails.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88739] Re: Fox killer antenna
Message-ID: <Pine.LNX.4.31.0101160643540.792-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

     A FOX killer is by definition that one he hears you on. Your Gap Titan should be yours. Any vertical with good effeciency with it's low angle of radiation, will be best on 40 meters. A horizontal dipole will work great too provided it's 1/2 wave above ground. That is 66 feet!

     A low horizontal dipole will hear better than a noisy vertical most of the time. But the FOX will never hear you.

On Mon, 15 Jan 2001, bob baxter wrote:

> Group, Just finished building the short version of W6RCA's no-tuner,
> all-hf-band, horizontal, center-fed antenna. If uses tuned feeders and
> a choke balun. My version is portable and hangs off the top of a DK9SQ

Yours Truly,

      - Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 16 Jan 2001 09:32:18 -0500
From: Chuck Ludinsky <cjl@mitre.org>
To: neqrp@jonal.net, qrp-l@lehigh.edu
Subject: [88740] Small AC Power Supply for QRP Rigs
Message-ID: <3A645B72.EC52169B@mitre.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Looking for a small AC power supply to use with my FT-817 while travelling, I noticed that my laptop's switching power supply is rated at 3A. Unfortunately, it's also 19V - a little too high. Then I came across an ad by International Power Sources, Inc., for (even smaller) supplies. Going to their web page, I found a large number of options relative to voltage and current, including one with the following specifications:

   Model: CUP36-12-1
   Voltage: 13.5 VDC
   Current: 2.4 Amps
   Input Voltage: 90-264 VAC
   Input Line Frequency: 47-63 Hz
   Size: 0.79" x 1.97" x 4.33"
   Weight: 6 ounces, including 48" output cable.

It also includes EMI filtering, short-circuit and overvoltage protection, and other features. Also uses the same AC cable as my laptop's power supply, but one is _not_ provided with the unit (Radio Shack sell one for a couple of bucks.)

Well... I thought they probably would not sell single units to individuals, or that the price would be too high. Wrong on both counts. They do sell individual units, at $32.90, plus another six bucks shipping.

So I bought one to try it out. First replaced the coaxial power connector with another more suitable to my needs, shortening the cable in the process (and dropping an ounce or two in the process). Concerned with EMI, I first put it on an oscilloscope at no and full loads. The latter showed significant "spikey" 100KHz ripple -- however, nothing was heard when the unit was used to power the FT-817 and a Small Wonder Labs SW-40. Jim, W1PID, subsequently bought a unit and also reports that it powers all his qrp rigs with no noticable noise. Note that neither of us did exhaustive testing for noise, so I can't guarantee that it isn't there. However, it doesn't appear to be a major problem.

If you're interested, go to their web page at:

   http://www.intlpower.com/series/cup36.html

I considered a group buy, but the savings would be around $5.00 for 50-99 quantities - probably not worth the effort. Anyway, if you're in the market for a very small AC power supply for use when travelling, this might be an answer.

72 DE K1CL,
Chuck.

Date: Tue, 16 Jan 2001 09:32:51 EST
From: Macstein@aol.com
To: k5di@zianet.com, qrp-l@lehigh.edu
Subject: [88741] FOX - Re: Fox killer antenna
Message-ID: <d5.10dc29e.2795b593@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/16/01 8:48:52 AM Eastern Standard Time, k5di@zianet.com writes:

> A low horizontal dipole will hear better than a noisy vertical
> most of the time. But the FOX will never hear you.

Well... I suppose I agree in theory... and I'm not trying to be contentious, but I've worked several with an indoor dipole less than 20 feet high. Propagation seems to affect me more than others, but ya work with what ya have! Granted, someday, I WILL have a tower and multiple antennas.

I now have a stealth loop up outside, and am raking in DX contacts, but stateside contacts are ruff. I borrowed the wire from my indoor dipole to make the loop bigger, however, last night, I put the indoor wire BACK, just to hunt foxii.

72
-MAC-
AF4PS
Odessa, FL "Home of the Infamous Attic Dipole" and Stealth Loop

K2 #643, QRP-L # 704, FISTS #5096, CC #754, NorCal #1998, Zombie #510, ARCI #9843, AR QRP #257, HI QRP #83, ARS # 751, Whiners #5, SOC #28, West FL QRP, Flying Pig QRP #-51...
and various other annual $15 commitments.

Date: Tue, 16 Jan 2001 09:33:31 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: cjl@mitre.org
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [88742] Re: Small AC Power Supply for QRP Rigs

Message-ID: <3A645BBB.244FBF48@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Chuck and gang,

Another place you might check is Marlon Jones and Associates (,www.mpja.com>). They consistently have overstock power supplies in their catalog. The supplies range from OEM units meant to be mounted in units to full on cabineted supplies. No association, I just get their catalog!

73

Date: Tue, 16 Jan 2001 07:33:12 -0700
From: "Tom Whalen" <wb5qyt@abq.com>
To: <qrp-l@lehigh.edu>
Subject: [88743] 70' pines
Message-ID: <MABBIKAEJKMHLIDDGMCKIEKLCCAA.wb5qyt@abq.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

Since everyone is putting in there .02 on this, I will tell you what I use.

Some of you saw the demo at the Flag Hamfest of my PAL(Pnuematic Antenna Launcher).
Basically a fancy name for a spud gun! Uses air instead of a gas to propell a pill bottle filled wtih a little ballast. Takes fishing line over the tops of the highest trees. One shot is all that is needed as it is highly accurate!

My PAL never leaves my side when out for a day of hamming in the boonies. Plus, one never knows when a FOX will come by and I can take a shot at it!

72, Tom WB5QYT..."Have spud will travel!"

Date: Tue, 16 Jan 2001 22:54:42 +0800
From: hambug <599@0451.com>
To: "qrp-l@Lehigh.EDU." <qrp-l@Lehigh.EDU>
Subject: [88744] 4444
Message-ID: <200101161451.f0GEpbq752552@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="GB2312"
Content-Transfer-Encoding: quoted-printable

qrp-l=A3=AC=C4=FA=BA=C3=A3=A1

VY73!
=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=
EF
=A1=EFBA2Bi Wu,GuiZhong   =A1=EF
=A1=EFG QRP#10749   =A1=EF
=A1=EFLiJia Village   =A1=EF
=A1=EFNingAn City(Hei)   =A1=EF
=A1=EF157401 P.R.CHINA   =A1=EF
=A1=EFhttp://www.qsl.net/ba2bi=A1=EF
=A1=EFhttp://www.ham.cn.gs   =A1=EF
=A1=EFEmail:599@0451.com   =A1=EF
=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=EF=A1=
EF

Date: Tue, 16 Jan 2001 08:50:29 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: "QRP List" <qrp-l@Lehigh.EDU>
Subject: [88745] Kingman Reef QSLs
Message-ID: <004701c07fcb$aeb41520$0300a8c0@bergenbrunswig.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the OT query. Anyone gotten any cards back from the Kingman Reef
DXpedition?

I realize that they had something like 80,000 QSOs and processing that many
can be a mind boggling task.

I sent off the cards and SASE around the middle of November. Now we've had

a postal rate hike.

Just wondering.....

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
   e-mail to: dandooley@pipeline.com
   Web site: http://www.qsl.net/wb9tka
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

Date: Tue, 16 Jan 2001 23:17:35 +0800
From: hambug <599@0451.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88746] Can you help me?
Message-ID: <200101161514.f0GFEUq550800@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="GB2312"
Content-Transfer-Encoding: 7bit

QRP-LHello:
I'm chinese amateur,QTH:NingAn(grid:PN44RI) in the vicinity of Harbin City My name is Wu-GuiZhong,callsign:BA2Bi(Chinese personal amateur station classNo 1) I love Amateur QRP.Homebrew, But mine information Very poor for QRP! Can you help me? please send a few of
idle....crystal(7030,7035,7045,7060,10116,14060,21060,28060KHz)...circuit diagram...printed circuit board...book...for QRP TRX Homebrew Will somebody help assist me?please Email to: 599@0451.com
I'm english very pooe!sorry 73!
de Wu BA2Bi

Wu,GuiZhong
LiJiaVillage
Ning An City(Hei)
157401 P.R.China
Please visit my web site at the URL:http://www.qsl.net/ba2bi

Date: Tue, 16 Jan 2001 07:40:01 -0800
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: <jgweber2@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88747] RE: Alinco DX70

Message-ID: <NEBBJCAPOLCDGKDKJPGLEEELCBAA.rmccarty@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I once had a current model radio, that also made quite a racket from the relay. Frankly, being from the "Old School", I did not notice it as I operate "Semi break-in", whereas you only need put up with the noise for two occurrences. (Once at the transition from receive to transmit and vice versa).

I say I did not notice it as my training included throwing a switch from receive to transmit, precluding any possibility of break-in operation, full or otherwise. I can still remember the very first time I used full break-in, where it was actually enjoyable ie., quiet and seamless. My Friend Gody AC6UV, had brought his Sierra to our club function. That..., changed my operation style. But only to the point of decreasing the delay time to allow monitoring the frequency between sentences, or longer pauses. It is hard to train this old dog to use new tricks. :-)

However, the point is, if you don't mind excluding FULL break-in from your operations, a noisy t/r relay can be tolerable.

Roger KD6CC

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of John G Weber
Sent: Tuesday, January 16, 2001 4:22 AM
To: Low Power Amateur Radio Discussion
Subject: Alinco DX70

 >Anyone have any experience using the Alinco DX-70T? I'm going to
> purchase a smaller mobile rig to act as my base station in my
> overly-crowded apartment. I'm considering this, the patcomm 9000
> and a
> used icom 706 or 706mkII. Any thoughts? The 2m on the icoms will
> not
> be a deciding point.
>
> 73 de dave, n9uxu

Dave,
I have also been looking at the DX70 from RS. Have gotten a number of comments from another list posting and to date have received only one negative. The only thing at this point that is preventing me from buying

one is the comment in ARRL's review which criticized the keying relay in QSK mode as being so noisy as to be distracting. I wud like to hear any comments that anyone has on that feature.
John AE4LZ

Date: Tue, 16 Jan 2001 23:50:12 +0800
From: hambug <599@0451.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [88748] Chinese NEW YEAR
Message-ID: <200101161547.f0GFl8q236574@nss4.cc.lehigh.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="GB2312"
Content-Transfer-Encoding: 7bit

Chinese new year to all !

Chinese new year in 2001,Date:1-23

72 73! Wu BA2Bi
599@0451.com

 >>>>>>>>----> I love QRP <-----<<<<<<<<

Date: Tue, 16 Jan 2001 11:16:19 -0500
From: "Larry Spinner" <n2icz@hotmail.com>
To: <K5BDZ@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88749] Re: THANKS for ideas....70 feet
Message-ID: <OE70UQ9cAgjHXwKHvyo00008ae5@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;   charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have to add my two cents... Go with the tree climber! At my last QTH, I hired a young turk for $50.00 bucks who climbed up around 50 feet and installed the G5RV... It was worth it for me to 1. not break my you know what and 2. I didn't have to worry about shooting an arrow in the air and spearing the next door neighbor's doberman! :)   Now... I use a vertical and know that one foot is always on the ground! :) Good luck, my friend...

Larry-N2ICZ

----- Original Message -----
From: <K5BDZ@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 16, 2001 8:09 AM
Subject: THANKS for ideas....70 feet

> WOW! Thanks everyone for all the great ideas of getting antennas in the
> pines...many in much detail. This weekend I'll try a few and report back,
> "warts and all", the progress.
>
> Bill K5BDZ
>

Date: Tue, 16 Jan 2001 11:24:08 EST
From: Macstein@aol.com
To: cmurray@cookeville.total-web.net, qrp-l@lehigh.edu
Subject: [88750] Re: FOX - Re: Fox killer antenna
Message-ID: <7d.f9bb4c7.2795cfa8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 1/16/01 10:09:34 AM Eastern Standard Time,
cmurray@cookeville.total-web.net writes:

> I must be at a magic distance for
> your attic antenna. If I were a fox, you would be one of the first in the
> log.

Do you get the Flying Pigs QRP club newsletter? My antler is featured in
this month's issue. <A HREF="http://www.fpqrp.com/news.html">
http://www.fpqrp.com/news.html</A> Gosh Conard, I wish you WERE the fox! I
confess I got John on the loop last night.

-MAC-
AF4PS

Date: Tue, 16 Jan 2001 11:51:06 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <n2icz@hotmail.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88751] Re: THANKS for ideas....70 feet
Message-ID: <001101c07fdc$d909ba80$2101a8c0@insydesw.com>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I think that if I was going to take the effort to actually climb the
tree,
or use my money to get someone else foolish enough to do so,
I'd make SURE that I had at least 2 or 3 pulleys up there with ropes
down to the ground where I could get at them to pull anything else up
there I might want later.

Sure, have him pull the antenna you want up 'today', but keep in mind
you might want something else later. You could even pull up a VHF
or whatever stick type antenna.

Get 50 or more feet up a tree, and you can pull up something like
an SLV, or whatever variant you choose...

Mike

> I have to add my two cents... Go with the tree climber! At my last
QTH, I
> hired a young turk for $50.00 bucks who climbed up around 50 feet and
> installed the G5RV... It was worth it for me to 1. not break my you
know
> what and 2. I didn't have to worry about shooting an arrow in the air
and
> spearing the next door neighbor's doberman! :)   Now... I use a
vertical
> and know that one foot is always on the ground! :) Good luck, my
friend...
>
> Larry-N2ICZ
>

Date: Tue, 16 Jan 2001 17:31:07 -0000
From: "DeniGm3skn" <deni@gm3skn.fsnet.co.uk>
To: <W2SH@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [88752] Re: Corroded Feedline & Snow on Ladder Line
Message-ID: <00d301c07fe2$217dc180$5b31883e@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

----- Original Message -----
From: <W2SH@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 16, 2001 4:28 AM
Subject: Re: Corroded Feedline & Snow on Ladder Line

> With all this knowledge out there nearly a century ago, it's a shame for time
> and material resources to be wasted to re-invent the wheel. Yet it should be
> a comfort that whoever cares can readily make a better feedline than anything
> now being produced commercially
>
> Charles, W2SH
>

Charles and all, do you know of a source of good commercial open wire line spacers ?
Sure I know I can make them and have done so in the past but I am looking now for a fit and forget solution for this harsh climate. Thanks for the interesting and definitive advice on the stranded versus solid conductor quandry for antenna/ feedline , I am convinced !

73, Deni GM3SKN Shetland Islands UK
K2 1188 Fists# 2817 ARS# 827
_ _ .. .. _ _

Date: Tue, 16 Jan 2001 11:34:39 -0600
From: "Dan W. Dooley" <dandooley@pipeline.com>
To: <rmccarty@earthlink.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88753] Re: Alinco DX70
Message-ID: <002901c07fe2$9ce28040$0200a8c0@dandooley>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It also has a lot to do with the radio and your "acceptance" of the sound. Curious as it seems, or maybe it's just so in my case.

My Drake B line is not real quiet when the relay makes and breaks. My Icom 706 on the other hand has a much quieter relay. Guess which one I object too the most?

Right. The 706. The Drake is *supposed* to sound like that. The much newer Icom being solid state, I think should be quieter. No, I don't try it in full QSK. Hate that clicking relay, even in semi.

Funny the way we are about some things.

Dan W. Dooley WB5TKA Bedford, Texas EM12ku
    e-mail to: dandooley@pipeline.com
    Web site: http://www.qsl.net/wb9tka
SOC #198, FPQRP # -104
May Goddes love blest ye alle
"Ancient Pistol, I do partly understand your meaning."

----- Original Message -----
From: "Roger A. McCarty" <rmccarty@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 16, 2001 9:40 AM
Subject: RE: Alinco DX70

> I once had a current model radio, that also made quite a racket from the
> relay. Frankly, being from the "Old School", I did not notice it as I
> operate "Semi break-in", whereas you only need put up with the noise for
two
> occurrences. (Once at the transition from receive to transmit and vice
> versa).
>
> I say I did not notice it as my training included throwing a switch from
> receive to transmit, precluding any possibility of break-in operation,
full
> or otherwise. I can still remember the very first time I used full
break-in,
> where it was actually enjoyable ie., quiet and seamless. My Friend Gody
> AC6UV, had brought his Sierra to our club function. That..., changed my
> operation style. But only to the point of decreasing the delay time to
allow
> monitoring the frequency between sentences, or longer pauses. It is hard
to
> train this old dog to use new tricks. :-)
>
> However, the point is, if you don't mind excluding FULL break-in from your

> operations, a noisy t/r relay can be tolerable.
>
> Roger KD6CC
>

Date: Tue, 16 Jan 2001 10:50:09 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Dan W. Dooley" <dandooley@pipeline.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88754] Re: Alinco DX70
Message-ID: <Pine.LNX.4.31.0101161046220.1152-100000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Should say my Ten Tec Argonaut and in fact every Ten Tec radio has full breakin. The latest Juniper from Ten Tec is a fine ssb rig but a much better CW rig. If your real serious about CW buy a Ten Tec.

And the relays in Ten Tec are silent.

On Tue, 16 Jan 2001, Dan W. Dooley wrote:

> It also has a lot to do with the radio and your "acceptance" of the sound.
> Curious as it seems, or maybe it's just so in my case.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Tue, 16 Jan 2001 12:50:05 EST
From: N1ODL@aol.com
To: john@neknetwork.com, qrp-l@lehigh.edu
Subject: [88755] Re: FOX: Bushed!
Message-ID: <73.a1d19ea.2795e3cd@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hello John:
I tried and tried and tried to hear you in all the noise. I did hear the

hounds chasing you. Mac did try to help me get you later on, but I could not hear you at all. Tried all of my antennas including the ISOTRON for 20 meters. Maybe next time John.....from what I hear...you did good.....
Aron
N1ODL
Bedford, NH

Date: Tue, 16 Jan 2001 10:15:00 -0800
From: Dan Presley <talljazz@teleport.com>
To: qrp-l@LeHigh.EDU
Subject: [88756] FOX: re-send of notice 1/16 N7CQR
Message-ID: <v03007804b68a3ffb767b@[216.26.60.106]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Time for my second run-1/17 0200-0400 UTC (1/16 local date). I just checked the ARRL propagation report, and it looks good, so let's see if we can break the 100 qso mark-last time I got 93. One hound said I was 'as frisky as his dog in a bath', so don't be surprised if I jump around a bit! This time I will be using the 'KA7OZO' antenna farm with his 40M Yagi, G5RV and vertical, so we should some options, and rig will the K2 w/ CMOS III keyer. The exchange will be rather quick, and I will slow down to send calls at beginning & end of exchange. I will be listening a minimum of 1 to 3 Khz up at least for the first hour, and if conditions change I may creep back closer to my freq.
Exchange will be : <your call> RST OR Dan 5W <your call> .Let's have fun and break the century mark!

Dan Presley
talljazz@teleport.com
(503) 232-8244
pager (503) 229-8682

Date: Tue, 16 Jan 2001 11:19:10 -0800
From: <schoon@amgt.com>
To: <cater@jadeinc.com>, <tunee@JayCoServices.com>
Subject: [88757] Question for the Loop
Message-ID: <c=US%a=_%p=American_Geotech%l=AG-CALCITE-BDC-010116191910Z-878@mail.amgt.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

OK, so I've picked my trees, made some rough measurements and I can safely fit a nice 80m loop in the back portion of my lot. Height will vary from 35' to about 60'. Wanting all band use, and requiring nearly 120' of feedline to get to the thing, I'm planning on using ladder line. Here's my question - Been reading on matching/feeding the thing and there seems to be two schools of thought. Tuner with a balun, which I have, or a link coupler which I have all the parts for. Which would be best?? I do know that under certain conditions of high reactance loads, the balun will saturate and be generally useless, even at 100 watt level. The tuner can degrade under incorrect settings. I know nothing about a link coupler other than the schematic. Would it be worth the effort to build one?? Inquiring minds want to know!!

Thanks!

.mark
I had no shoes and I pitied myself. Then I met a man with no feet, so I took his shoes. --Anonymous

---

Date: Tue, 16 Jan 2001 14:56:04 EST
From: Shephed@aol.com
To: <fpqrp-l@mpna.com>, <qrp-l@lehigh.edu>
Subject: [88758] Feb Bacon Bits deadline!
Message-ID: <d0.10315fc6.27960154@aol.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hello folks,
Deadline to get your article into the Feb, 2001 Bacon Bits newsletter is Jan 29, 2001.

Articles can be fun, informative, club related, whatever!

Send them to:
n8ie@aol.com

Thanks,
72, oo
Dan, N8IE

Date: Tue, 16 Jan 2001 14:48:25 +0000

From: "Steven Weber" <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [88759] VXO/IF freq combo's
Message-ID: <200101162020.PAA12263@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

HI Gang,

Some time ago, I build a modified version of Jim's 2N2/40 receiver, using smt parts. (could fit in an Altiods tin!) However, I used an 11 MHz L/C VFO and it was a little drifty for actual use. Last night I converted it to a "Super VXO" VFO and it works FB. Used a pair of 11.0592 MHz xtals for the VXO, with a series 18 uhy molded choke (it seems only molded chokes work in VXO's) and tuned with a 1N4004 diode. It needed a 8 pfd cap across the tuning diode for reliable oscillation. The IF is 4.00 Mhz and it tunes 7.043 to 7.015 MHz or so. (8V max tuning voltage)

Here's a list of common xtal freq combinations for 40-15M bands. All these combinations will put the tuning range in the QRP segment of the bands.

40M-- 11.059 MHz VXO, 4 MHz IF
30M--14.31818 Mhz VXO, 4.194304 MHz IF
20M -- 9.00 MHz VXO, 5.0688 MHz IF
15M -- 16.00 MHz VXO, 5.0688 MHz IF

My other mods for the 2N2/40? ...
Used three transistor combination BFO osc/active mixer for product detector. Used SMT 386 for audio amp. Used SMT 4066 for audio mute switch and RIT switch.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Tue, 16 Jan 2001 12:33:02 -0800
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: <qrp-l@lehigh.edu>
Cc: <w5jay@alltel.net>
Subject: [88760] California Qrpers to invade Arkiecon
Message-ID: <01c07ffb$85e6fb00$330b0d0a@dhendricks>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, you need to make plans to attend Arkiecon on April 7th if you live anywhere near Arkansas. JayBob Bromley and the boys have another exciting show planned for you, speakers include George Heron, Tony Fishpool, Graham Firth and another famous QRPer who is waiting to confirm based on his work schedule. Can't give out his name yet, but sure hope he can make it. There will be a ton of QRPers there, including a whole bunch from California, including Jim Cates, Super Antenna Vern Wright, Doug Hendricks, Paul Maciel, Mike Gipe, and Dave Fifield. Dave Yarnes from Tucson has his plane tickets, Chuck Adams is coming from Prescott, Dave Gauding and a couple of the St. Louis QRP Society notables hope to make it. Jim Duffey is gonna be there from Albuquerque, I have heard rumblings that Glen Reid is coming up from Austin, and the NE Texas QRP Club is sending several carpools. Plus I have heard that a few of the boys from Iowa and Nebraska are planning on making the trip. Whew! This is gonna be a blast. JayBob told me on the phone yesterday that they were gonna do the No Host Dinner at the Rib Eye again. Hanging Judge Kelsey will be presiding over it, and it will be a lot of fun. I will announce to the group how I got even with Kelsey over the joke that he played on me last year at the dinner. Plus, Keith Newman has promised to save me a place right next to him. I love to sit by Keith, as he always orders lots of Turkey Fries and Fried Cukes.

Jim Duffey is gonna bring a test setup so that we can measure the current drain on our rigs with a standard signal source and do a real comparison as to which has the lowest current drain with headphones and speaker.

Vern Wright will have plenty of Antenna Demos to setup Saturday afternoon and evening, and I imagine that Dave Gauding will bring a couple of his "St. Louis Specials" down to try out. A great opportunity to try your rig on one of these portable antennas.

Saturday night will feature the "Free Barbecue", which is a Fort Smith tradition. Ft. Smith is in the south guys, and you haven't lived until you have enjoyed southern hospitality. These are among the best people in the world, and they really go out of their way to take care of you and show you a good time. The flavor of Ft. Tuthill is the pot luck dinner, and certainly the flavor of Ft. Smith is the free barbecue. Don't miss it Saturday night.

Great forum speakers are lined up for Saturday, and they have an outstanding location to have the hamfest. A major MFJ dealer will be there, and I mean major. Last year this guy had 12 tables of goodies. Dennis Foster, the TeNeKe man from Oklahoma will be there along with his best buddie, Burl Keeton. Burl is one of the true gentlemen of QRP. He ranks right up there with Jim Cates. And speaking of Jim, he will be there the whole weekend.

Jim loves to meet and visit with NorCal members and Qrpers, and he has traveled extensively to attend QRP Forums to do so. Jim has attended Atlanticon, Dayton, Pacificon, Celticon, Hamcon, Ft. Tuthill, Seaside, and now Arkiecon. Wow, what a lineup of Qrp events.

Arkiecon is sponsored by the Ft. Smith QRP group, you know, the guys who did the VE3DNL and the Ft. Smith P-Tick kits. JayBob Bromley is the guy to go to for questions. His email address is w5jay@alltel.net. He has all the information on where to stay, etc. Did I mention the fabulous hotel that they have there? It is less than a half mile from the hamfest location, and is only 1 year old. We all stayed there last year and loved the accomadations. Real hot water, towels, clean rooms, cheap prices ($41 per night or so), heat and airconditioning.

And last but not least, I imagine that you will get to see the "QRO" engagement ring that JayBob Bromley gave Kathy Vines for Christmas. You have to keep an eye on that JayBob, he is always going off and doing something. Have a good day and I'll see you in Ft. Smith, Arkansas on April 7, 2001. I'll be the guy grinning and having fun. 72, Doug, KI6DS

Date: Tue, 16 Jan 2001 15:35:43 -0500
From: "Victor Blackwell" <victor@brecnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [88761] Fw: DX tip.
Message-ID: <006001c07ffb$e69c5da0$345730d1@victor>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here is a posting I made to my NVIS-Design group today. Thought maybe someone may find it interesting.

Vic AD8K

Subject: DX tip.

>I was listening on the bottom end of forty meter to a good opening into JA.
>I was not hearing any state side stations. The JA's had strong signals.
>All of a sudden, W8AH, pops in with his call. Only sending it once. Then
>he is back sending it once, but had moved freq about 150 cycles. Then back
>again on a different freq. Well this ol AH guy knew he was competing with

>other W stations although he nor I could actually hear them. He knew he
was
>probably on the same freq. as another calling station. I decided he was a
>savvy operator after looking up his call in www.qrz.com The guy, Bert, I
>will call him has nearly confirmed 360 countries on forty meters. It looks
>like he has worked every body and has the card to prove it. Look him up
>yourself. He came on the air back in the thirties. Sure knows what he is
>doing.
>
>If I did the same thing here, I would have to tune in the JA station, call
>once, and then move my transmit freq with the XIT control. Ahsoooo! That
>is what that button is for?
>
>Simple little trick. Ya learn something everyday.
>
>Vic AD8K
>

Date: Tue, 16 Jan 2001 12:45:51 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-l@LEHIGH.EDU
Subject: [88762] Richhond Frostfest 2001 & Ten-Tec Argo 556
Message-ID: <20010116204551.17221.qmail@web802.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hello to all,

I will be in Richmond, Va. for the Frostfest this
Sunday. I am as always, one of the two man crew at the
ARRL incoming QSL buro table.(The better looking one
wearing the ZOMBIE badge) If you are at the fest, stop
and say hi, it is always fun to meet fellow QPP ops.

Also, I am looking for a very clean Ten-Tec ARGO
556(the qrp scout). If you have one, and you are
coming to Richmond sunday, maybe we can work somthing
out. Contact off list.

Hope to see you all Sunday.

73, Bill

_____
Do You Yahoo!?

Get email at your own domain with Yahoo! Mail.
http://personal.mail.yahoo.com/

Date: Tue, 16 Jan 2001 15:46:25 -0500
From: "Brian" <brian@iquest.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88763] Re: California Qrpers to invade Arkiecon
Message-ID: <005501c07ffd$64e6e1c0$2305080a@cincom.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dang it Doug!

After reading that I feel like a razorback what done did lose his way.

Sounds like an awesome time will be had by all. I guess I'll have to wait
until FDIM rolls around.

72

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dph.dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Tuesday, January 16, 2001 3:33 PM
Subject: California Qrpers to invade Arkiecon

> Guys, you need to make plans to attend Arkiecon on April 7th if you live
> anywhere near Arkansas. JayBob Bromley and the boys have another exciting
> show planned for you, speakers include George Heron, Tony Fishpool, Graham
> Firth and another famous QRPer who is waiting to confirm based on his work
> schedule. Can't give out his name yet, but sure hope he can make it.
There
> will be a ton of QRPers there, including a whole bunch from California,
> including Jim Cates, Super Antenna Vern Wright, Doug Hendricks, Paul
Maciel,
> Mike Gipe, and Dave Fifield. Dave Yarnes from Tucson has his plane
tickets,
> Chuck Adams is coming from Prescott, Dave Gauding and a couple of the St.
> Louis QRP Society notables hope to make it. Jim Duffey is gonna be there
> from Albuquerque, I have heard rumblings that Glen Reid is coming up from
> Austin, and the NE Texas QRP Club is sending several carpools. Plus I
have
> heard that a few of the boys from Iowa and Nebraska are planning on making

> the trip. Whew! This is gonna be a blast. JayBob told me on the phone
> yesterday that they were gonna do the No Host Dinner at the Rib Eye
again.
> Hanging Judge Kelsey will be presiding over it, and it will be a lot of
fun.
> I will announce to the group how I got even with Kelsey over the joke that
> he played on me last year at the dinner. Plus, Keith Newman has promised
to
> save me a place right next to him. I love to sit by Keith, as he always
> orders lots of Turkey Fries and Fried Cukes.
>
> Jim Duffey is gonna bring a test setup so that we can measure the current
> drain on our rigs with a standard signal source and do a real comparison
as
> to which has the lowest current drain with headphones and speaker.
>
> Vern Wright will have plenty of Antenna Demos to setup Saturday afternoon
> and evening, and I imagine that Dave Gauding will bring a couple of his
"St.
> Louis Specials" down to try out. A great opportunity to try your rig on
one
> of these portable antennas.
>
> Saturday night will feature the "Free Barbecue", which is a Fort Smith
> tradition. Ft. Smith is in the south guys, and you haven't lived until
you
> have enjoyed southern hospitality. These are among the best people in the
> world, and they really go out of their way to take care of you and show
you
> a good time.   The flavor of Ft. Tuthill is the pot luck dinner, and
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> Saturday night.
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> Great forum speakers are lined up for Saturday, and they have an
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> location to have the hamfest.   A major MFJ dealer will be there, and I
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> TeNeKe man from Oklahoma will be there along with his best buddie, Burl
> Keeton. Burl is one of the true gentlemen of QRP. He ranks right up
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> with Jim Cates.   And speaking of Jim, he will be there the whole weekend.
> Jim loves to meet and visit with NorCal members and Qrpers, and he has
> traveled extensively to attend QRP Forums to do so. Jim has attended
> Atlanticon, Dayton, Pacificon, Celticon, Hamcon, Ft. Tuthill, Seaside, and
> now Arkiecon. Wow, what a lineup of Qrp events.
>
> Arkiecon is sponsored by the Ft. Smith QRP group, you know, the guys who

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> the VE3DNL and the Ft. Smith P-Tick kits. JayBob Bromley is the guy to go
> to for questions. His email address is w5jay@alltel.net. He has all the
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> they have there? It is less than a half mile from the hamfest location,
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> is only 1 year old. We all stayed there last year and loved the
> accomadations. Real hot water, towels, clean rooms, cheap prices ($41 per
> night or so), heat and airconditioning.
>
> And last but not least, I imagine that you will get to see the "QRO"
> engagement ring that JayBob Bromley gave Kathy Vines for Christmas.   You
> have to keep an eye on that JayBob, he is always going off and doing
> something. Have a good day and I'll see you in Ft. Smith, Arkansas on
April
> 7, 2001. I'll be the guy grinning and having fun. 72, Doug, KI6DS
>
>

Date: Tue, 16 Jan 2001 16:02:15 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: <brian@iquest.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88764] Re: California Qrpers to invade Arkiecon
Message-ID: <013001c07fff$a1ae0be0$2101a8c0@insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Is that because soon they won't have even the power to operate their
QRP rigs?

Opps, sorry. Of COURSE they will have enough power for that!! They
just won't have power for the lights to see to write in their log, or
run
their computers.

Or, heaven forbid, won't have enough to run their SOLDERING IRONS!!!!

Mike

Date: Tue, 16 Jan 2001 16:11:04 -0500 (GMT+5)
From: <wd9eyb@butler.qrp.com>
To: qrp-l@lehigh.edu
Cc: wvara@butler.qrp.com
Subject: [88765] Klunky Schematic Drawing Web Page
Message-ID: <Pine.LNX.3.95.1010116161001.12506A-100000@butler.qrp.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Here's a klunky schematic drawing web page.
http://butler.qrp.com/~wd9eyb/drawsch/

Jim, WD9EYB

Date: 16 Jan 2001 16:06:49 -0500
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: kd1jv@moose.ncia.net
Cc: qrp-l:;
Subject: [88766] Re: VXO/IF freq combo's
Message-ID: <2001Jan16.160649-0500@[130.113.234.7]>

Thanks Steve, for the useful list of xtal combos for QRP rigs.
I've added one at the bottom that Jim Kortge and I both used to
modify a 38S rig for 17M band. In any case, the "super" VXO
(two paralleled crystals) helps extend VXO bandspread.
     Was it flying pigs website that has a link to a
buncha crystal combos?

40M -- 11.059 MHz VXO, 4 MHz IF
30M --14.31818 Mhz VXO, 4.194304 MHz IF
20M -- 9.00 MHz VXO, 5.0688 MHz IF
15M -- 16.00 MHz VXO, 5.0688 MHz IF
17M -- 22.1184 Mhz VX0, 4.000 MHz IF

In <200101162020.PAA12263@wolf.ncia.net>, Steven Weber wrote:
>Here's a list of common xtal freq combinations for 40-15M bands. All
>these combinations will put the tuning range in the QRP segment of
>the bands.

Date: Tue, 16 Jan 2001 16:49:18 -0500
From: Bill Coleman <aa4lr@arrl.net>

To: <n2apb@erols.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [88767] Re: "4017" and SMK-1
Message-ID: <1010016164918.QAA02187@gate.iterated.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 1/15/01 12:28 PM, George Heron at n2apb@erols.com wrote:

>Yes, the SMK-1 should be a dandy little driving transceiver for the 4017
>Transverter. It would be perhaps a little limiting with its small tuning
>range ... 7.032-7.040 in stock condition translating to 18.032-18.040 on
>17m.

Except that's out of band. 17m is 18.068-18.168.

Bill Coleman, AA4LR, PP-ASEL   Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
            -- Wilbur Wright, 1901

Date: Tue, 16 Jan 2001 16:54:26 -0500
From: Tom Isgro <k8cz@concentric.net>
To: SKIPNC9O@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88768] Re: FDIM 2001
Message-ID: <3A64C312.19E7D890@concentric.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

SKIPNC9O@aol.com wrote:
>
> Hi Gang,
>
>   I am getting ready to signup for FDIM activities and wondered
> what day is best to arrive, Wednesday or Thursday? I am planing
> on flying from Chicago (1 hour travel is better than 6 1/2).

I'd get there Wednesday night. The festivities start at 0800 Thursday.

--

"Blessed are they who can laugh at themselves for they shall never cease

to be amused."

72, 73 oo's
Tom K8CZ Hamilton, OH
FPqrp #--41, QRP-l 945, FISTS 2360, NORCAL 2113, ARCI 9606,
10-10 68364, SCI 1479, ARS 203, ARRL

Date: Tue, 16 Jan 2001 17:00:56 -0500
From: wb2vuo@juno.com
To: qrp-l@lehigh.edu
Subject: [88769] Re: Alinco DX70
Message-ID: <20010116.170405.-407863.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I ran the DX-70T for 2 years, and the "noisy relay" is a subjective thing. It's slightly noisier than the reed relays in the Ten Tec Argonaut, far quieter than the Yaesu FT-707, FAR quieter than the SB1400 but is quite audible.

I ran semi-QSK with a 300-400 ms delay, and it was just fine. Your mileage may vary, but don't dismiss the rig on the relays.

Performance was fine, the MF/HF receive is great, and the LF/VLF Rx was better than my Kenwood TS-140 and TS-680.

The TX draw on "Low" is rather high, 5 - 7 amps for 10 watts out, but the draw on "High" was nominal, about 19 amps

If you don't need 6 Meters, consider the Kenwood TS-50S. The keying is quieter, but the filters are expensive (the DX-70T has all the filters as stock items)

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub
My night light runs more power than my Rig!!!
Replies off-list to: wb2vuo@arrl.net

_____
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http://dl.www.juno.com/get/tagj.

Date: Tue, 16 Jan 2001 22:44:22
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [88770] Re: 50 Ohm SM Power Resistors??s
Message-ID: <F111Cl9FopYC98Bi89Q000001c6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Chuck Carpenter (w5usj@globeco.net) asked:

>Some time ago I saw messages discussing SMT 50 ohm
>power resistors. I'd like to get some and need a source.

Is Digi-key p/n TA025PW51R0J-ND (51 ohms, 25 watts) what
you had in mind? The catalogue quotes inductance of 50 nH,
making them pretty good for HF dummy loads.

They also have TO-220 resistors (35 watts).

Laura Halliday VE7LDH   "Que les nuages soient notre
Grid: CN89mg   pied a terre..."
ICBM: 49 15.042 N 122 59.053 W   - Hospital/Shafte

____
Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com.

Date: Tue, 16 Jan 2001 19:10:13 -0500
From: Tim Soxman <tims@hhs.net>
To: myetsko@insydesw.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [88771] Re: California Qrpers to invade Arkiecon
Message-ID: <3A64E2E4.AC2EBE6@hhs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Watch those California guys! Rumor has it they're going to show up with
galvanized buckets, unscrew all the light bulbs and fill up the buckets
with electricity to take home!

Tim W3ZVT

End of QRP-L Digest 2069
****